

Indiana Consortium for Innovation in Biomedical Imaging

Gary D. Hutchins and Mark R. Holland

Indiana University-Purdue University Indianapolis & Indiana University School of Medicine

The **Indiana Consortium for Innovation in Biomedical Imaging (Indiana-CIBI)** has been established to leverage the biomedical imaging strengths of several major academic institutions throughout Indiana. This initiative provides the environment, infrastructure, and resources necessary for establishing one of the premier translational, research and educational imaging networks in the United States. The Indiana-CIBI will facilitate the identification of crucial clinical problems and unmet research needs; stimulate the development of innovative solutions; and help translate optimized patient care services into practice at partner health-care delivery facilities.

The **objectives** of the *Indiana-CIBI* include:

- *Providing national leadership in translation from concept to practice.*
- *Encouraging targeted problem-driven technology development.*
- *Nurturing innovation and progress through facile access to advanced resources.*
- *Focusing Indiana state-wide interdisciplinary partnerships in the development of new, innovative imaging technologies and the utilization of imaging resources.*
- *Cultivating investigator engagement and channeling intrinsic motivation.*

The stated objectives of the Indiana-CIBI define the operational model for the consortium. Key steps in the innovation-focused process include: 1) Identification of critical clinical or biomedical research needs by physician or biomedical investigator(s); 2) Creation of innovative solutions through innovation incubator teams, imaging innovation marathons, and crowdsourcing solicitations; 3) Translation to practice through a large medical physics/radiology network; and 4) Translation to advanced core services through the Indiana-CTSI core resource network. Critical success factors for the Indiana-CIBI include tight integration within academic health care facilities, consolidation of fragmented resources, and expansion of critical support resources, eliminating the need to duplicate some types of services across multiple sites in Indiana.

For further information regarding the Indiana Consortium for Innovation in Biomedical Imaging and its programs please contact Mark Holland or Gary Hutchins at incibi@iupui.edu. The Indiana-CIBI is supported, in part, by contributions from the IUPUI Office of the Vice Chancellor for Research.